## Oil Technologists' Symposium in Hyderabad

A Symposium and Convention of the Oil Technologists' Association of India is being organized for Feb. 9-11, 1968 by the Southern Zonal Branch of the Association at its headquarters in Hyderabad. Covering the areas of sources and utilization of oils and fats, the symposium is planned to cover the currently important areas in the field such as sources of oil, detergents, hydrogenation, detection of adulteration of fats, and current researches in various areas. In addition to the usual research papers, a vast amount of factual material in each area, together with projections for the future, is being collected by the organizers from expert bodies, companies and individuals in the field. This will be predistributed to the participants to form the basis for informal discussion during the actual symposium.

The symposium is being sponsored by the Oil Technologists' Association of India, the Council of Scientific and Industrial Research, the Soybean Council of America and various organizations connected with vegetable oils and oilseeds. The Convener of the Symposium can be addressed at the Regional Research Laboratory, Hyderabad-9, for further particulars.

### • Industry Items

The Harshaw Chemical Company, Division of Kewanee Oil Company, has broken ground on a new three million dollar addition to its Elyria, Ohio plant. The new facility, scheduled for completion in 1968, will provide additional capacity and flexibility for the manufacture of a variety of catalysts for use in the petroleum, petrochemical, and synthetic organic chemical industries. The new unit will add significantly to Harshaw's multipurpose catalyst manufacturing operations in Elyria. The Harshaw Chemical Company, Division of Kewanee Oil Company, 1945 East 97th Street, Cleveland, Ohio 44106.

The GLIDDEN COMPANY, of which DURKEE FAMOUS FOODS is a part, last week became the GLIDDEN-DURKEE DIVISION OF SCM CORPORATION. The new name combines the two major trade names under which the Glidden Company has operated for many years. The new association with SCM joins together many additional trade names, including Smith-Corona, Marchant, Procter Silex and others.

While corporate headquarters will be at SCM Corporation in New York, the division headquarters will remain in Cleveland.

# Chromatography A Message from Supelco. We introduct you to CHROMATOGRAPHY/ LIP10s. ... a regular publication that will report significantly advance in the littled and thomatography

LIP1DS a regular publication that will report significant advances in the lipid and chromatography fields. Principally, we wish to report pertinent information that will help you open new doors. We invite your comments and reports of results so that others might share new developments in the field.

ož 1, No. 1.

0 1967, Supelco, Inc., Bellefonte, Pennsylvania

#### A GUIDE TO COLUMN SELECTION

Several important papers have appeared in the listenture which, have been overviousled by many chromatographers. The proper utilization of the principles will in many case alloss one to choose the proper column for a particular separation by performing a few simple calculations. Just thirt of the time we have all spent trying columns that would not do the job! We also 'lli draws manner.

The system is based on the use of Kwaxis Indikes described by Wellth and Kwaxis, Helv. Chim. Acta. 42, 2709 (1990) and by Ette, Anal. Chem., 36, 8 (1961). The Kwaxis Indea, for a compound will indicate where that compound will appear on a chromastogram with respect to the series on n-parafilms. (By definition, the Kwaxi Indea, for hexane is 600, for hepane—700, octaoe—800, est., regardless of the column used.)

cere and two reparallins, those ing them so that one clustes be fore between and one afterward. Suppose that on this column we found the retention times for before, the retention times to be 17, 15 and 25 missues, respectively. We can plot the retention times of the parallins versus their Kovats Indices as shown in figure 1. Now, since benceue has a

WALTER R. SHPINA read from the graph R Kovai index of 619 for learning. Not at this value applies to a squalane column at a give apperature! Well, we now know the Kovats Index for the column at a give apperature!

the same temperature would be a measure of the polarity of Reoplex 440. To determine this we would again analyze bettern 440. To determine this we would again analyze bettern along with two neparathis, plot a graph and read off the Kovas Indices of 100% for bettern the fifth Kovas Indices for a compound are determined on both a polar and a quopolar phase, the difference can

Figure 1

One should be able to characterize a column by comparing the Kowata Index of a compound analyzed on a polar phase to the Kowata Index of the same compound on a polar phase to the Kowata Index of the same compound on a 19560, suggested that the polarity of a column really in dependent upon the substance being analyzed. Therefore it would be desirable to determine the Kowata difference (431) for several different types of compounds. For the contraction of the contra

Similarly: (y) is  $\frac{\Delta t}{100}$  for ethanot and (z) is  $\frac{\Delta t}{100}$  for MEK. (u) is  $\frac{\Delta t}{100}$  for nitromethane and (s) is  $\frac{\Delta t}{100}$  for pyridine.

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